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APPLICATION NO.	1	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/683,254		12/05/2001	Osman Saim Dinc	RD-28657	1003
6147	7590	10/14/2003		EXAM	INER
0211214		RIC COMPANY	MILLER, WILLIAM L		
GLOBAL RESEARCH CENTER PATENT DOCKET RM. 4A59				ART UNIT	PAPER NUMBER
PO BOX 8, 1	BLDG. K	-1 ROSS	3677		
NISKAYUNA, NY 12309				DATE MAILED: 10/14/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

·	Application No.	Applicant(s)					
•	09/683 ₁ 254	-DING-ET-AL.					
Office Action Summary	Examiner	Art Unit					
	William L. Miller	3677					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status							
1) Responsive to communication(s) filed on 17.	July 2003 .						
2a) ☐ This action is FINAL . 2b) ☑ Th	nis action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims							
4)⊠ Claim(s) <u>1 and 3-51</u> is/are pending in the application.							
4a) Of the above claim(s) <u>23-51</u> is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6) Claim(s) <u>1,3-13 and 17-22</u> is/are rejected.							
7)⊠ Claim(s) <u>14-16</u> is/are objected to.							
8) Claim(s) are subject to restriction and/o	or election requirement.						
Application Papers							
9)☐ The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. So	ee 37 CFR 1.85(a).					
11) The proposed drawing correction filed on	_ is: a)☐ approved b)☐ disappro	ved by the Examiner.					
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Pri rity under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) ☐ All b) ☐ Some * c) ☐ None of:							
1. Certified copies of the priority document	ts have been received.						
2. Certified copies of the priority document	ts have been received in Application	on No					
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)							
J.S. Patent and Trademark Office		Dod of Dones No. 7					

Art Unit: 3677

DETAILED ACTION

Election/Restrictions

1. Claims 23-51 remain withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim.

Election was made without traverse in Paper No. 4.

Claim Objections

2. Claims 3 and 17 are objected to because of the following informalities: claim 3, line 2 - change "an" to --said-- and change first recitation of "a" to --said--; and claim 17 must end in a period ("."); change. Appropriate correction is required.

Claim Rejections - 35 USC § 112

- 3. Claims 4-6, 8, 9, 11, and 17 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- 4. It is unclear if one of the displacement apparatuses recited in claim 4 is referencing one of the displacement apparatuses previously recited in claim 1.
- 5. It is unclear if the wire displacement apparatus recited in claim 8 is referencing one of the displacement apparatuses previously recited in claim 1.
- 6. Claim 9 indicates the seal assembly includes more than one seal carrier, while claim 1 indicated there is only one seal carrier.
- 7. It is unclear if the respective seal carrier recited in claim 11 is referencing the seal carrier previously recited in claim 1.

Art Unit: 3677

8. It is unclear if the turbine housing recited in claim 17 is referencing the turbomachinery previously recited in claim 1, line 4.

Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 10. Claims 1, 3, 4, 7-13, and 17-22 are rejected under 35 U.S.C. 102(e) as being anticipated by Akist et al. (US#6435514).
- 11. The applied reference has a common assignee and two common inventors with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.
- 12. Regarding claims 1, 3, 7, 12, 17, 19, 20 Akist discloses an actuated seal assembly for controlling flow in a fluid path in turbomachinery (turbine) comprising: a brush seal 36; a seal carrier 32,34 disposed in turbomachinery (turbine housing) 12; a displacement apparatus 44,47

Application/Control Number: 09/683,254 Page 4

Art Unit: 3677

being viewed as an actuator and return device as it expands and contracts, respectively; a drive system 46,48; and a rotating member 14.

13. Regarding claims 4, 8, and 21, the displacement apparatus includes a wire 44 wound on a spool 47.

- 14. Regarding claims 9-11, the seal is segmented and therefore includes a plurality of seal carriers controlled by respective displacement apparatuses.
- 15. Regarding claims 12 and 13, the drive system is bi-directional via 48 enabling an increase or decrease in temperature, and includes an electric power supply 46.
- 16. Regarding claim 18, element 12 is alternatively being viewed as a labyrinth seal via its teeth shown in the drawings.
- 17. Regarding claim 22, the seal carrier is adjustable with respect to its radial position within housing 12 via the displacement apparatus and drive system during operation of the turbine.

Allowable Subject Matter

- 18. Claims 5 and 6 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.
- 19. Claims 14-16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

20. Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.

Art Unit: 3677

Conclusion

21. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William L. Miller whose telephone number is 703 305 3978. The examiner can normally be reached on Tuesday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J. J. Swann can be reached on 703 306 4115. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 308 1113.

William L. Miller Primary Examiner Art Unit 3677

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wlm 10/09/03